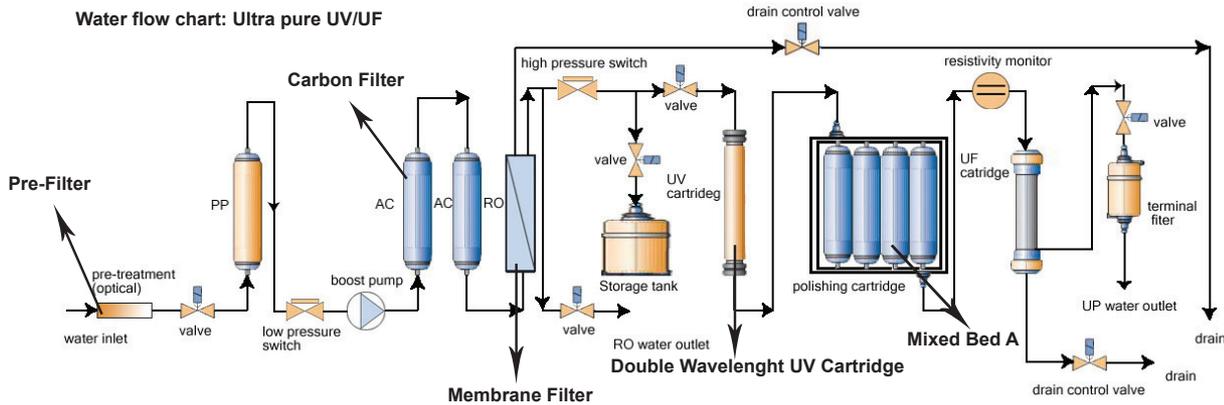


# Low Range RO Series Water Purification System



## Low Range RO Series Water Purification System, Inlet: Tap Water



ST-RO lab / RO lab plus



ST-RO DI / RO DI plus



ST-RO DI digital / RO DI digital plus

### Specification of Low Range RO Series Water Purification System

Model	RO System		RO Deionization System	
	ST-RO lab	ST-RO lab plus	ST-RO DI / ST-RO DI Digital	ST-RO DI plus / ST-RO DI Digital plus
Flow Procedure	PF + AC + RO + AC	PF + AC + RO + AC	PF + AC + RO + DI	PF + AC + RO + DI
Application	Glassware washing, agricultural experiment, general biological experiment, aquatic products feeding, inlet water for ultra pure water purifier, inlet water for sterilizer/ T&H chamber		Buffer preparation, aseptic drinking water, physical and chemical analysis, chemical industry, inlet water for ultra pure water purifier, GC/ HPLC	
Feed Water Requirement	Tap water, TDS <200ppm, 5-45 °C, 1.0 - 4.0Kg f/cm <sup>2</sup> (If inlet TDS >200ppm, extra pre-treatment is recommended)			
Purification System	Pre-treatment Unit	Special spun fiber filter 1x, + Special active carbon block filter x2		
	RO Unit	100GPD RO Membrane	100GPD RO Membrane x2	100GPD RO Membrane
	Subsequent Unit	Post active carbon filter x1		Mixed bed resin x2
Pure Water Quality	Rejection Rate %	96 - 98		Nearly 100
	TDS PPM	5 - 10		RO Water: 5 - 10
	Resistivity MQ-cm	-		15 - 18.2
	Conductivity uS/cm	-		0.067 - 0.055
Output (25°C)	15L/ hour	30L/ hour	15L/ hour	30L/ hour
Flow Rate	2 Litres/ minute (with pressure tank)			
Pure Water Outlet	RO Water		RO Water, Deionized Water	
Control System	Automatic Electronic pressure sensor control, RO membrane auto flushing, auto stop if water inlet disruption, auto stop when water tank is full, auto shut off water when pump failure assuring 24 hours operation.			
Water Quality Monitoring	TDS Tester		TDS Tester + Online Resistivity Monitor	
Voltage	AC 110 - 220V 50/60Hz			
Power	48W, Plus Model: 72W			
Dimension (W x D x H) mm	410W x 220D x 420H mm			
Weight	12 - 14Kg			
Standard Configuration	1 set cartridge + 4.0 gallon water tank + TDS Tester			

\* Inlet water: TDS200ppm, 25°C, 50psi & 15% recovery rate  
 \*\* GPD = gallon per day. 1 gallon: 3.78L  
 \*\*\* The quality of inlet water will effect outlet's and cartridge's life  
 \*\*\*\* Big volume mixed bed for option

PF: Pre-treatment  
 AC: Active carbon  
 RO: Reverse osmosis  
 DI: Ion exchange  
 UV: Ultraviolet (Double wavelength: 254, 185nm)  
 UF: Ultrafiltration

Specification can be changed without any prior notice